

BLM WINNEMUCCA DISTRICT OFFICE
2013 GEOTHERMAL LEASE NOMINATIONS
SITE SPECIFIC STIPULATIONS

NV-13-01-004

3053.420 Acres

T.0460N, R.0280E, 21 MDM, NV

Sec. 022 LOTS 1-7;

022 NE, E2NW, NESW, N2SE;

023 ALL;

024 ALL;

T.0470N, R.0290E, 21 MDM, NV

Sec. 025 LOTS 1-4;

025 E2, E2W2;

036 LOTS 1-4;

036 E2, W2E2;

Humboldt County

Winnemucca DO

N-090750

SITE SPECIFIC STIPULATIONS

In addition to the general lease stipulations applicable to all nominated lease parcels, the following site specific stipulations apply to parcel NV-13-01-004:

CULTURAL/NATIVE AMERICAN

NV-WDO-CRNA-03(b), NTL

Surface Occupancy may be limited in areas with important cultural and archaeological resources, such as traditional cultural properties and Native American sacred sites, as identified through consultation.

For development and production phases, surface occupancy may be limited to a specific distance or precluded at hot springs, pending conclusion of the Native American consultation process.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, DR, September 2002;

PEIS for Geothermal Leasing in the Western US, ROD, October 2008

Description of Lands

Entire Parcel

NV-WDO-CRNA-04, NSO

NRHP no surface occupancy. No surface occupancy within the boundary of properties designated or eligible for the National Register of Historic Places, including National Landmarks and National Register Districts and Sites, and additional lands outside the designated boundaries to the extent necessary to protect values where the setting and integrity is critical to their designation or eligibility.

NTL: An NRHP eligible site is in T46N R28E Sec. 22 SE quarter and T46N R28E Sec. 22 SE quarter. Other sections may need to have a Class III cultural survey done on areas of ground disturbance.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, DR, September 2002

PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands

T.0460N, R.0280E, 21 MDM, NV

Sec. 022 SE.

LANDS & REALTY

NV-WDO-L&R-01, NTL

This parcel contains linear Right(s)-of-Way. Contact ROW holder prior to any geothermal activities. No drilling, including exploration or development activities, within linear rights-of-way. Maintain a safe distance from electric conductors as recommended by the National Electric Safety Code.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, DR, September 2002

Description of Lands

Entire Parcel

PALEONTOLOGICAL RESOURCES

NV-WDO-PALEO-02, NTL

This area has moderate potential for vertebrate paleontological resources. Potential Fossil Yield Classification (PFYC) 3: Moderate Potential.

Inventory and/or on-site monitoring during disturbance or spot checking may be required. If fossils are discovered, avoidance or data recovery will be required prior to their disturbance if they are deemed to be of scientific importance.

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, December 2008;

WO-IM-2008-009, Potential Fossil Yield Classification (PFYC) System for Paleontological Resources on Public Lands, dated October 15, 2007;

WO-IM-2009-011, Assessment and Mitigation of Potential Impacts to Paleontological Resources, dated October 10, 2008.

Description of Lands

T.0470N, R.0290E, 21 MDM, NV

Sec. 025 ALL;

Sec. 036 N2.

T.0470N, R.0280E, 21 MDM, NV

Sec. 022 Lot 1, Lot 2, Lot 3, Lot 4.

RIPARIAN

NV-WDO-RIPAR-01, NSO

No surface occupancy near surface water bodies, riparian areas, wetlands, playas or 100-year floodplains.

Additional Comments:

Applied to the following areas based on streams and playa areas mapped in the National Hydrography Dataset.

T.0460N, R.0280E, 21 MDM, NV

Sec. 022 E2NENE, W2NWNE, NENW, L1, L2, SENW, E2SWNE, NE/SW/SESENE, NESE, SENWSE, S2NESW, S2L3, L4, L5, E2L6, L7;

Sec. 023 ALL;

Sec. 024 W2.

T.0470N, R.0290E, 21 MDM, NV

Sec. 025 NE/NW/SWNWNE, NENW, L1, L2, SENW, NWSWNE, N2L3, NWNESW.

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, October 2008

Description of Lands

See Additional Comments

NV-WDO-RIPAR-02, CSU/NTL

Controlled surface use of riparian and wetland habitat. Controlled surface use would be applied within 500 feet of riparian or wetland vegetation to protect the values and functions of these areas. Measures required will be based on the nature, extent, and value of the area potentially affected.

Additional Comments:

Applied to the following areas based on ponds and playa areas mapped in the National Hydrography Dataset:

T.0460N, R.0280E, 21 MDM, NV

Sec. 022 E2NENE, W2NWNE, NENW, L1, L2, SENW, E2SWNE, NE/SW/SESENE, NESE, SENWSE, S2NESW, S2L3, L4, L5, E2L6, L7;

Sec. 023 ALL;

Sec. 024 W2.

T.0470N, R.0290E, 21 MDM, NV
 Sec. 025 NE/NW/SWNWNE, NENW, L1, L2, SENW, NWSWNE, N2L3, NWNESW.

Authority/Supporting Documentation:
PEIS for Geothermal Leasing in the Western US, ROD, October 2008

Description of Lands
 See Additional Comments

SOILS

NV-WDO-SOIL-01, NSO

No surface occupancy on slopes in excess of 40 percent and/or soils with high erosion potential.

Authority/Supporting Documentation:
PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands
 T.0460N, R.0280E, 21 MDM, NV
 Sec. 022 W2NE, NENE, W2SENE, NESW, SWNE, L5, L6,
 Sec. 023 W2NWNW;
 Sec. 024 E2NENW, E2SENE, E2NESWNE, N2SE, E2SWSE, SESE.

T.0470N, R.0290E, 21 MDM, NV
 Sec. 025 E2NENE, S2SWSE;
 Sec. 030 NENE, E2NENE, SENE, E2SWNE, W2NENW, W2SENE, L1, L2, L3, NESW, W2NWSE,
 NESE, S2S2.

NV-WDO-SOIL-02, CSU

Controlled surface use for protection of erosive soils and soils on slopes greater than 30 percent.
 This stipulation would be applied to minimize the potential for adverse impacts to soils as defined as severe or very severe erosion classes based on Natural Resources Conservation Service mapping.

Additional Comments:

Area affected by high wind erosion.

**Areas identified as having high potential for wind erosion can be evaluated by the BLM on a case-by-case basis for establishing possible mitigation measures.*

Authority/Supporting Documentation:
PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands
 Entire Parcel

WATER RESOURCES

NV-WDO-WATER-02, NTL

Characterizing surface expressions of geothermal reservoir. Prior to surface disturbing activities, a survey of surface expressions of the geothermal reservoir (hot springs) shall be conducted. This survey will include, at a minimum, invertebrates and water characteristics.

Stipulations may be applied to protect the integrity of geothermal resource features such as springs and geysers. If it is determined that geothermal operations are reasonably likely to result in significant adverse effects to such a feature, then the BLM may apply surface restricting stipulations or decline development.

Additional Comments:

Three springs are located off lease within approximately 0.5 miles of the lease boundary.

Baltazor Hot Springs is located approximately 0.5 miles north of Section 024 in:

T.46N., R.28E., 21 MDM, NV

Sec. 013 NESW; NWNW

Surface disturbance activities on this lease may impact these potentially connected springs. These springs should be evaluated for geothermal characteristics.

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, October 2008;

Description of Lands

See Additional Comments

WILDLIFE

NV-WDO-WILD-05, NSO/CSU

Sensitive Species Stipulation. Controlled Surface use or no surface occupancy to protect agency-designated sensitive species. For agency-designated sensitive species (e.g. sage grouse), a lease stipulation (NSO, controlled surface use, or timing limitations) would be imposed for those portions of high value/key/crucial species habitat where other existing measures are inadequate to meet agency management objectives.

NTL: Based on habitat characteristics, the lessee may be required to conduct surveys for sensitive species that may potentially utilize the area.

Additional Comments:

Bleached Sandhill Skipper – No Surface Occupancy

Western Snowy Plover

Pueblo Valley Peppergrass

Alvord Chub

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands

Entire Parcel

NV-WDO-WILD-03, CSU

Controlled surface use or timing limitations for bighorn sheep habitat. Limit off-road vehicle use during the lambing seasons (May 1 through June 30) in bighorn sheep use areas. Limit new trail or road construction on potential bighorn sheep range to minimize access.

Additional Comments:

Crucial Bighorn Sheep winter habitat.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, DR, September 2002

Description of Lands

Entire Parcel

NV-WDO-WILD-04, CSU

Controlled surface use or timing limitations for critical big game habitat.

NTL: Upon site specific analysis, controlled surface use, timing limitations, or mitigation measures may be applied to address areas of crucial deer, antelope, and big horn sheep habitat.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, DR, September 2002

Description of Lands

Entire Parcel

NV-WDO-WILD-06, NTL

Timing limitation on wildlife migration corridors and important habitat.

NTL: Upon site specific analysis, controlled surface use, timing limitations, or mitigation measures may be applied to address migration corridors for deer, antelope, and big horn sheep habitat.

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands

Entire Parcel